

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP03/04614

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl' C07K7/08, 1/06, 14/00//C12N 15/09

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl' C07K7/08, 1/06, 14/00//C12N 15/09

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
PubMed, BIOSISI/WPI (DIALOG)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-----------|--|-----------------------|
| Y | Niidome T. et al., Binding of cationic alpha-helical peptides to plasmid DNA and their gene transfer abilities into cells., J.Biol.Chem. 13 January, 1997 (13.01.97), Vol.272, No.24, pages 15307 to 15312 | 1-28 |
| Y | WO 01/49324 A2 (NOVARTIS AG.), 12 July, 2001 (12.07.01), & AU 200133669 A & EP 1242609 A2 | 1-28 |
| Y | SAKAKIBARA, T. et al., Doxorubicin encapsulated in sterically stabilized liposomes is superior to free drug or drug-containing conventional liposomes at suppressing growth and metastases of human lung tumor xenografts., Cancer Res., 15 August, 1996 (15.08.96), Vol.56, No.16, pages 3743 to 3746 | 1-28 |

 Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search
15 July, 2003 (15.07.03)Date of mailing of the international search report
29 July, 2003 (29.07.03)Name and mailing address of the ISA/
Japanese Patent Office

Authorized officer

Facsimile No.

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-----------|--|-----------------------|
| Y | Kazuo MARUYAMA, "PEG-liposomes ni yoru DDS no Rinsho Oyo", Japanese Journal of clinical Medicine, 1998, Vol.56, No.3, pages 632 to 637 | 1-28 |
| Y | MARUYAMA, K. et al., Targetability of novel immunoliposomes modified with amphipathic poly (ethylene glycol)s conjugated at their distal terminals to monoclonal antibodies., Biochim. Biophys. Acta., 08 March, 1995 (08.03.95), Vol.1234, No.1, pages 74 to 80 | 1-28 |
| Y | WO 00/44348 A2 (UNIV. ILLINOIS FOUND), 03 August, 2000 (03.08.00), & JP 2002-535349 A & EP 1146857 A2 | 1-28 |